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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/029,587	10/25/2001	Bin Lian	INTL-0623-US (P11954)	4948

7590 07/02/2003

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EXAMINER

ANYASO, UCHENDU O

ART UNIT	PAPER NUMBER
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2675

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DATE MAILED: 07/02/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/029,587	LIAN ET AL.	
	Examiner	Art Unit	
	Uchendu O Anyaso	2675	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 October 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
 If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. **Claims 1-20** are pending in this action.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. **Claims 1-20** are rejected under 35 U.S.C. 102(e) as being anticipated by *Rosenberg* (U.S. Patent Appl. Pub. 2001/0026264).

Regarding **independent claim 1**, Rosenberg teaches a wireless device for a processor based device by teaching methods and apparatus for enhancing inertial tactile feedback in computer interface devices having an increased mass, such as wireless devices having the increased mass due to batteries or other power storage elements wherein a local microprocessor 110 is provided (see page 1, paragraph 0007, figure 2 at 110).

Furthermore, Rosenberg teaches generating power in the device by teaching how a power supply 120 can be included in device 10 coupled to actuator interface 116 and/or actuator assembly 18 to provide electrical power to the actuator (page 5, paragraph 0047, figure 2 at 120).

Regarding **independent claims 8 and 16**, and for **claims 9, 13, 14 and 19**, Rosenberg teaches a wireless device for a processor based device by teaching methods and apparatus for enhancing inertial tactile feedback in computer interface devices having an increased mass, such as wireless devices having the increased mass due to batteries or other power storage elements wherein a local microprocessor 110 is provided (see page 1, paragraph 0007, figure 2 at 110).

Furthermore, Rosenberg teaches a housing device 10 that includes input buttons in the form of pushbutton operators 24 and a joystick 26 (page 1, paragraphs 0022, 0023, figure 1 at 10, 26, 24).

Furthermore, Rosenberg teaches generating power in the device by teaching how a power supply 120 can be included in device 10 coupled to actuator interface 116 and/or actuator assembly 18 to provide electrical power to the actuator (page 5, paragraph 0047, figure 2 at 120).

Regarding **claim 2**, in further discussion of claim 1, Rosenberg teaches how the gamepad device 10 includes pushbutton operators 24 and a joystick 26 (page 1, paragraphs 0022, 0023, figure 1 at 26, 24).

Regarding **claims 3 and 4**, in further discussion of claim 2, Rosenberg teaches how actuator assembly 18 transmits forces to the housing 14 and buttons such that the actuator interface 116 can be optionally connected to the actuator assembly 18 and

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microprocessor 110 to convert signals from the microprocessor 110 into signals appropriate to drive the actuator assembly 18 wherein the interface 38 can include power amplifiers (page 5, paragraph 0044, 0045, figure 2).

Regarding **claims 5 and 6**, in further discussion of claim 1, Rosenberg teaches how sensor signals are provided to the host computer via wireless transmission, where the haptic feedback device receives information from the host via wireless reception such that the wireless transmission and reception is implemented via radio signals (page 2, lines 3-8).

Regarding **claim 7**, in further discussion of claim 1, Rosenberg teaches generating power in the device by teaching how a power supply 120 can be included in device 10 coupled to actuator interface 116 and/or actuator assembly 18 to provide electrical power to the actuator (page 5, paragraph 0047, figure 2 at 120) wherein the gamepad device 10 includes pushbutton operators 24 and a joystick 26 (page 1, paragraphs 0022, 0023, figure 1 at 26, 24).

Regarding **claims 10, 11, 17 and 18**, in further discussion of claims 8 and 16, Rosenberg teaches how the device 10 includes a radio or infrared interface (page 3, paragraph 0029).

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Regarding **claims 12 and 20**, in further discussion of claim 8, Rosenberg teaches how the gamepad device 10 includes pushbutton operators 24 and a joystick 26 (page 1, paragraphs 0022, 0023, figure 1 at 26, 24).

Regarding **claim 15**, in further discussion of claim 8, Rosenberg teaches an auxiliary battery (page 1, paragraph 0009).

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Patent 6,211,861 to *Rosenberg et al* for a tactile mouse device.

U.S. Patent 6,280,327 to *Leifer et al* for wireless game control units.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Uchendu O. Anyaso whose telephone number is (703) 306-5934. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steve Saras, can be reached at (703) 305-9720.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

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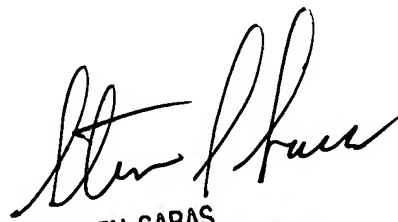
(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, 6th Floor (Receptionist). Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.



Uchendu O. Anyaso

06/28/2003



STEVEN SARAS
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600